Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/04/2017 10:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123428	-2	2.08	123247	2.05
Blue	F	SSC	125000	123554	-2	3.38	123847	3.20
Blue	E	FITC	23795	23027	-4	2.94	1025	10.74
Blue	D	PE	29673	28963	-3	2.57	1041	10.39
Blue	B	PerCP-Cy5-5	48943	48173	-2	3.91	1392	17.79
Blue	A	PE-Cy7	44112	43933	-1	5.58	674	37.47
Red	C	APC	54273	53406	-2	2.95	3081	9.55
Red	A	APC-Cy7	54945	53452	-3	3.04	1109	11.78
Violet	B	V450	15756	15042	-5	5.07	724	9.65
Violet	A	V500	62569	60368	-4	4.86	2677	7.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19165	4.37	613	-1	N/A	N/A	Pass
Blue	F	SSC	60979	2.16	548	2	N/A	N/A	Pass
Blue	E	FITC	116	40.43	551	1	0.0194	210	Pass
Blue	D	PE	229	29.99	548	2	0.1434	230	Pass
Blue	B	PerCP-Cy5-5	217	47.01	641	2	0.0091	89	Pass
Blue	A	PE-Cy7	70	131.48	698	-1	0.0108	19	Pass
Red	C	APC	361	28.40	602	2	0.0203	114	Pass
Red	A	APC-Cy7	122	41.34	580	-4	0.0049	1253	Pass
Violet	B	V450	88	42.36	477	5	0.0433	1801	Pass
Violet	A	V500	196	23.54	505	6	0.0135	430	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.58	-30.78	0.84
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	15.72	13.27 - 19.91	N/A	N/A	31.10	31.45	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10810

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments